

THE PORT AUTHORITY
OF NEW YORK AND NEW JERSEY

ENGINEERING PROGRAM MANAGER
WORLD TRADE
CENTER
CHIEF ELECTRICAL ENGINEER

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
PHASE III
5 WTC MER'S, EMR'S
AND SUBSTATIONS

NTC-S8
BLOCK WIRING
DIAGRAM

This drawing subject to conditions in Contract. Inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

FELDSTEIN ROYZMAN
Designed by Drawn by Checked by

5-17-99
Date

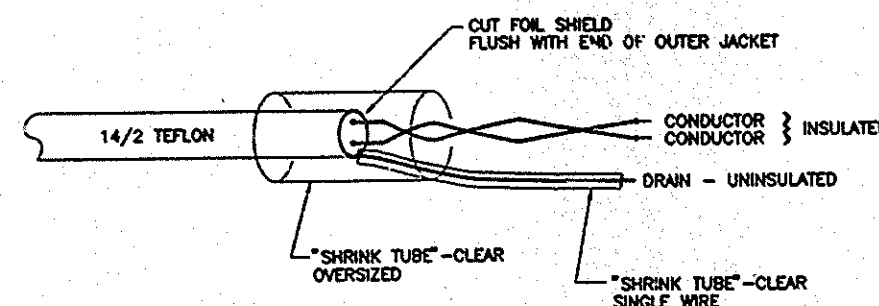
WTC-861.571 E-32
Contract Number Drawing Number

NOTES:

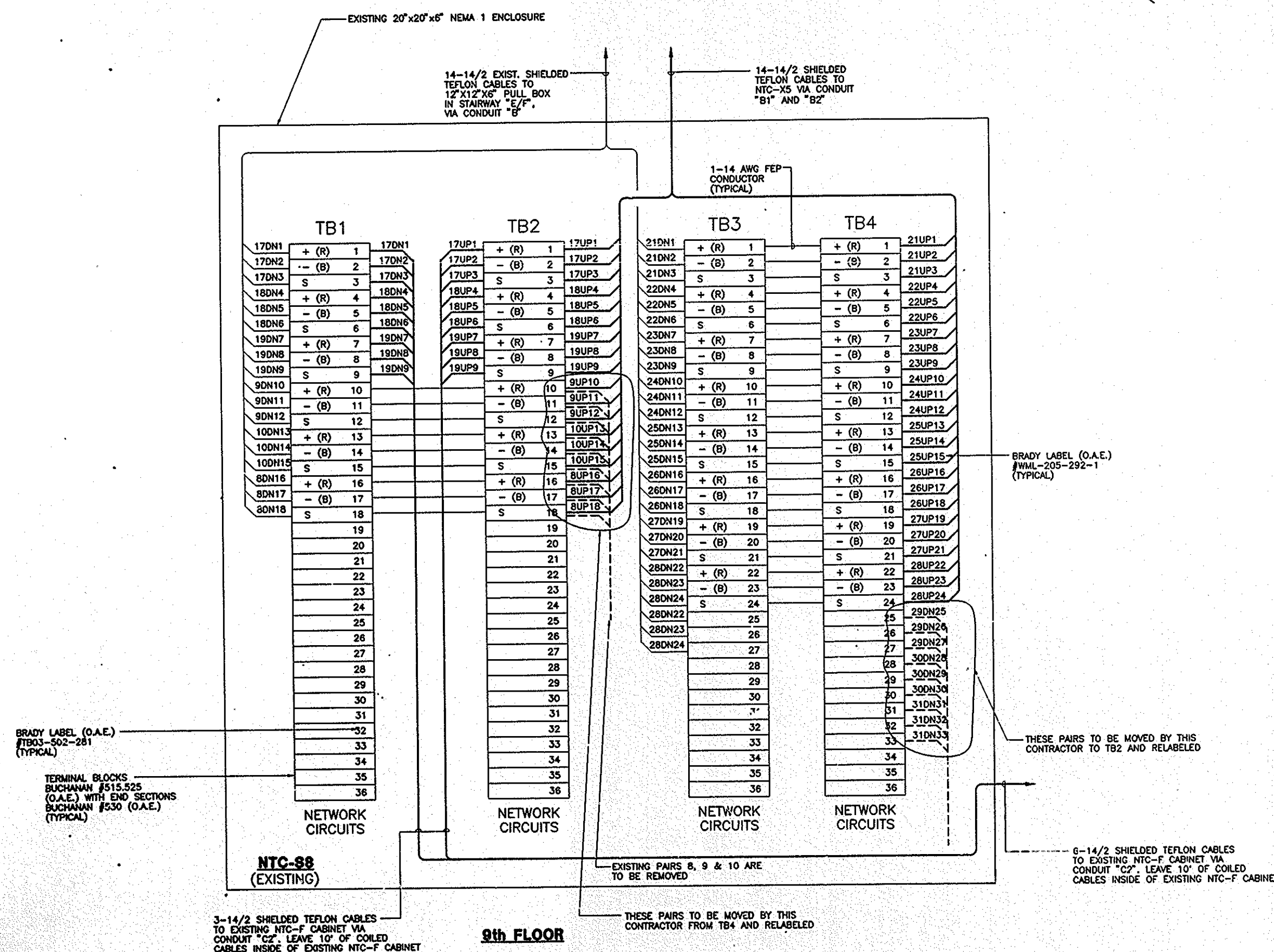
1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG'S E-1 AND E-2.
2. ALL SHIELDS SHALL BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE DETAIL "A" (ON THIS DWG).
3. FOR NTC-S8 ENCLOSURE LOCATION, SEE DWG E-26.
4. CONTRACTOR SHALL SHAPE, TEST AND LABEL ALL CABLES. FINAL CONNECTION SHALL BE MADE BY CONTRACTOR IN THE PRESENCE AND UNDER THE DIRECT SUPERVISION OF THE ENGINEER.

LEGEND

- #14 AWG CONDUCTORS AND DRAINS
21 - INDICATES PAIR NUMBER
- UP - INDICATES WIRE RUN TO UPPER FLOOR
DN - INDICATES WIRE RUN TO LOWER FLOOR
S - INDICATES TERMINAL BLOCK NUMBER
- TB2 - TERMINAL BLOCK #2
- (+) INDICATES POSITIVE POLARITY
(-) INDICATES NEGATIVE POLARITY
(R) INDICATES RED WIRE
(B) INDICATES BLACK WIRE
(S) INDICATES SHIELD/DRAIN WIRE
2 INDICATES TERMINAL BLOCK POINT NUMBER



DETAIL "A" - TYPICAL SHIELD/DRAIN INSULATING METHOD



I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. 86-861.571 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 12/1/99 BY [Signature]
12/20/99 CONTRACTOR ARCH.
12/20/99 ENGINEERING PROGRAM MGR